

Lake District National Park

Forecast valid from 00:00 on Thursday 12 Dec 2024 until 23:59 on Friday 13 Dec 2024

Forecast Issued on Wednesday 11 Dec 2024 at 13:42

Confidence: High for relatively mild with patchy rain through much of the period. However, lowering for cloud details.

Headline for Thursday 12 Dec 2024: Mainly cloudy. Some patchy light rain focused late in day and in east. Light winds. Freezing level lifting above summits.

Mountain weather hazards on Thursday 12 Dec 2024

Blizzards No Likelihood	Heavy persistent snow No Likelihood	Storm force winds No Likelihood
Gales No Likelihood	Severe chill effect Low Likelihood	Poor visibility Medium Likelihood
Thunderstorms No Likelihood	Heavy persistent rain No Likelihood	Strong sunlight No Likelihood

Weather and chance of precipitation at 800m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
							
Partly cloudy (night)	Partly cloudy (night)	Cloudy	Sunny intervals	Cloudy	Dull	Drizzle	Light rain
Precipitation probability							
<05%	<05%	10%	10%	20%	20%	30%	30%

Forecast for Thursday 12 Dec 2024

Weather: Some brighter spells early in the day, chiefly in the west of the Park. Otherwise a cloudy day with some patchy light rain of drizzle, this always focused in the west and turning more likely later in the day.

Chance of cloud-free hill tops above 800m: Initially 80% in west 60% in east, becoming 50% in west 30% in east later

Low cloud and visibility: Good becoming moderate or poor in rain and drizzle, very poor within cloud with bases becoming quite extensive from 600m in east, more broken and lifted in west, particularly early in the day

Forecast for Thursday 12 Dec 2024

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	7/9 E	9/12 SE	13/17 SE	14/18 SE	12/15 SE	11/14 SE	11/14 SE	12/16 SE	12/15 SE
600	4/6 S	6/10 SE	9/13 SE	10/15 SE	6/8 SE	7/11 SE	8/12 SE	10/14 SE	9/14 SE
300	1/4 S	3/7 S	4/10 SE	3/10 SE	2/8 SE	1/7 SE	2/9 SE	3/11 SE	2/10 SE
Valley	1/5 NE	2/9 E	1/7 E	2/8 SE	2/7 E	2/7 E	3/9 E	3/11 E	3/10 E

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	-1/-5	-1/-5	-1/-6	-0/-5	1/-4	1/-4	1/-4	1/-4	1/-3
600	-0/-2	0/-3	0/-3	1/-2	2/-0	2/-0	2/-1	2/-1	3/-1
300	1/-1	1/-1	2/-0	2/1	4/3	4/2	4/2	4/3	4/3
Valley	2/0	2/1	3/2	4/2	5/4	5/4	5/4	5/4	5/4
Freezing Level*	500m	600m	800m	900m	1300m	1600m	1500m	1600m	1400m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

Chance of lower sub-zero layer through to the early afternoon before the inversion warms out.

Forecast for Friday 13 Dec 2024

Weather: A mainly cloudy day with showers, these scattered and mostly light. Light summit winds.

Maximum wind: Variable less than 15mph

Chance of cloud-free hill tops above 800m: 20-30%

Low cloud and visibility: Good becoming moderate or poor in showers, very poor within cloud with bases quite extensive from 600m

Temperature: **Valleys:** Plus 1 Celsius increasing 6 Celsius for the afternoon
 At 800m: Plus 2-3 Celsius
 Freezing level: Above summits

Ground Conditions Supplement

Date: Wednesday 11 December 2024 Location: Helvellyn summit at 1240 UTC. Full report: High pressure is still holding sway across the National Park with a dramatic inversion on the highest summits today. Summit temperatures were warmer than lower down the slopes in the dense cloud and in the valley bottoms. Frost, patchy ice, frozen turf and rime were in evidence above 600m especially in sheltered hollows and on northly aspects. Above 800m it felt very wintery and especially on the Helvellyn plateau there were some large areas of ice which gave tricky going. The few remaining patches of snow were frozen hard but generally easily avoided. The Helvellyn Edges are a mixture of dry rock, hard snow, rime ice and verglas (black ice) especially in the shade. However many southerly aspects had been totally stripped due to the effects of the sun.

Microspikes are currently incredibly useful for the variety of conditions you may experience underfoot especially where the previous snow has been compressed under walkers feet on popular high level routes and is now hard & icy. Temperature: plus 4.8 C, Maximum wind speed 18.5 mph, Wind chill: minus 1.0 C, Average wind speed: 16.9 mph

Issued at: 1342 on Wed 11 Dec 2024